

AD-A133 373

ENGINE PERFORMANCE COMPARISON ASSOCIATED WITH
CARBURETOR ICING DURING AVI. (U) FEDERAL AVIATION
ADMINISTRATION TECHNICAL CENTER ATLANTIC CIT.

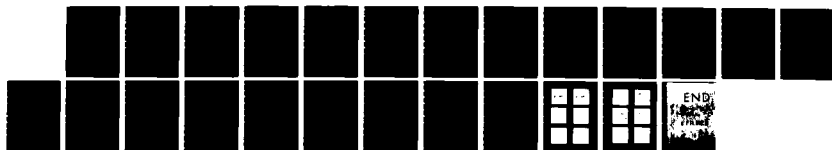
1/1

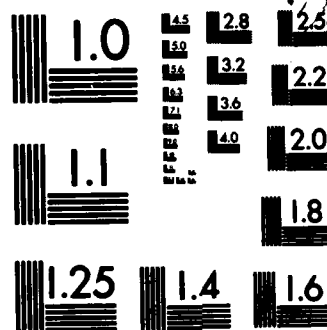
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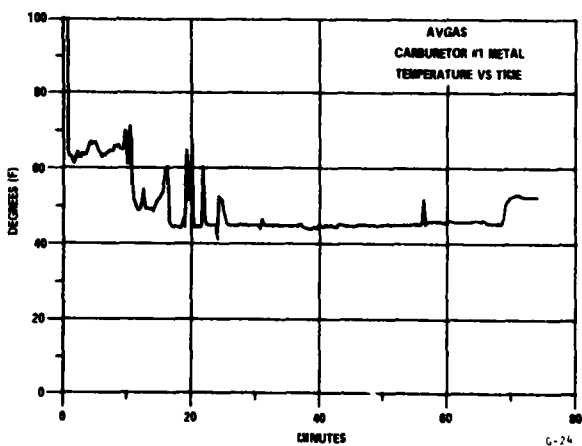
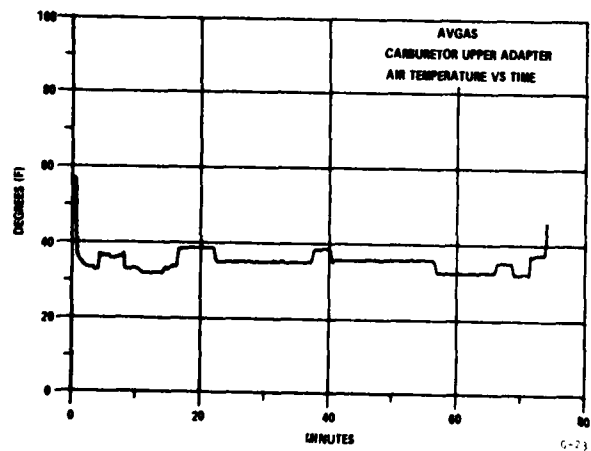
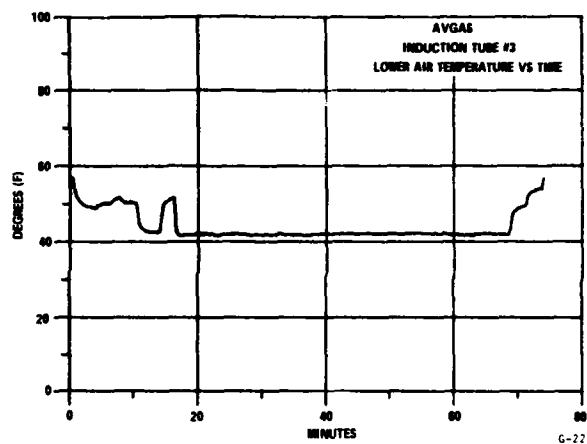
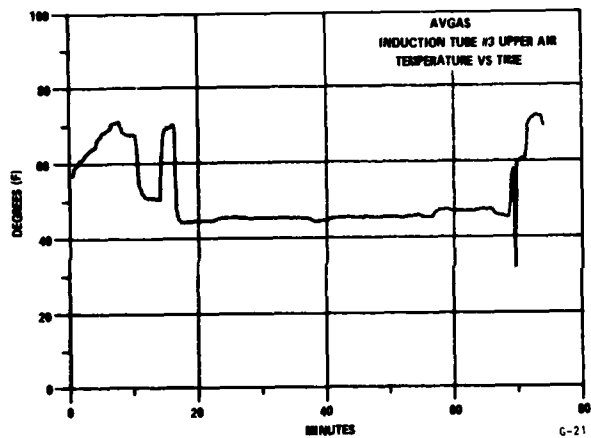
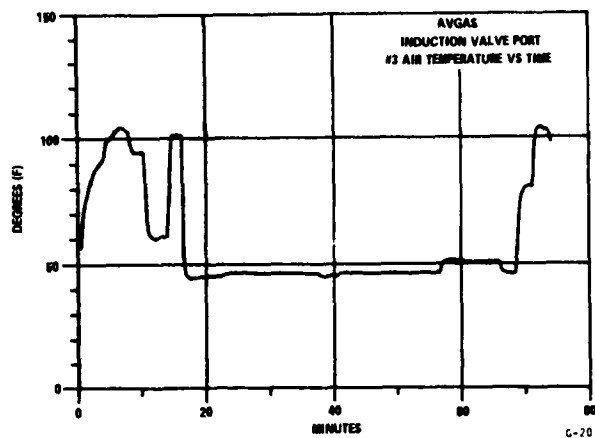
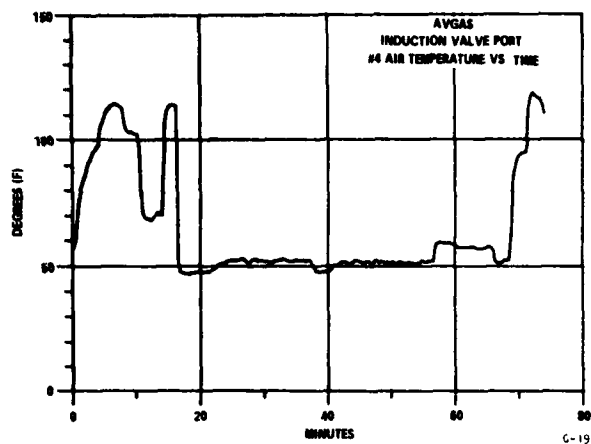
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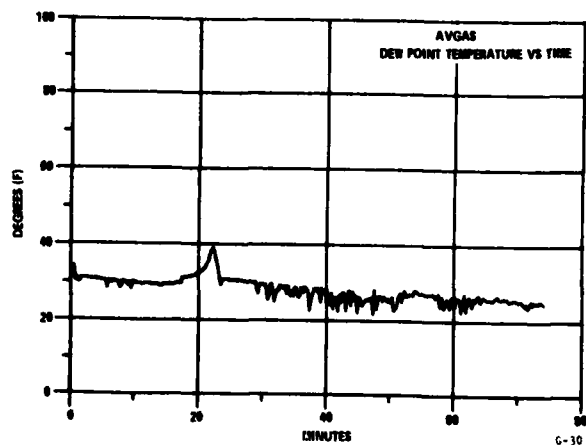
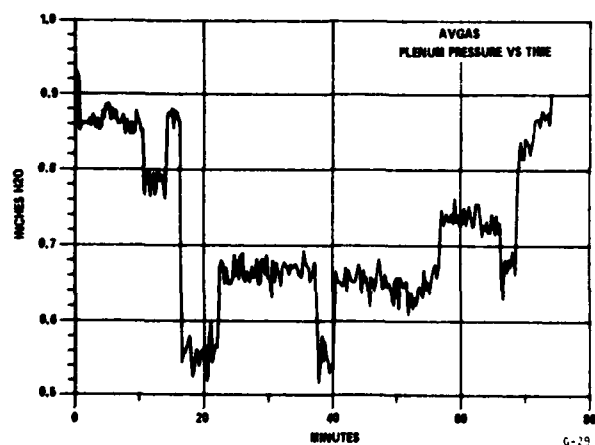
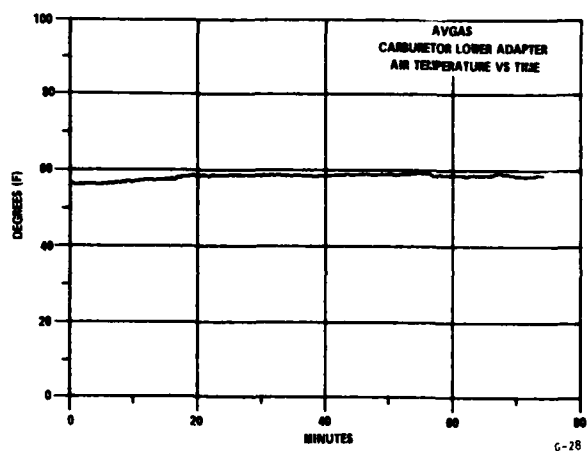
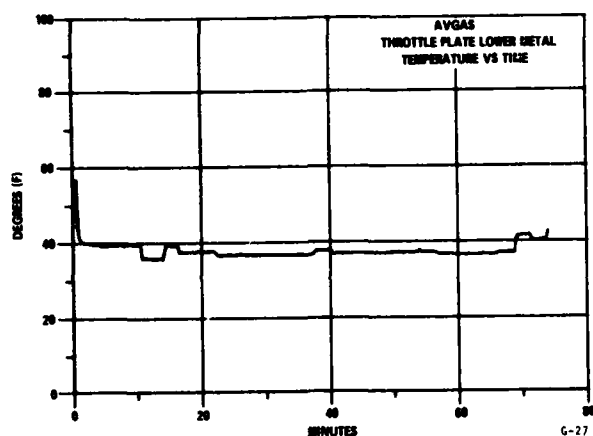
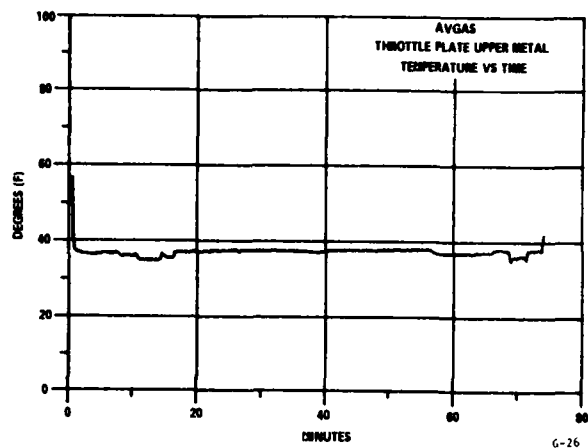
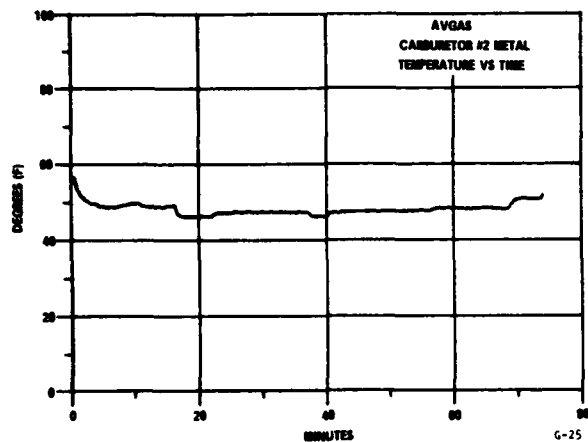
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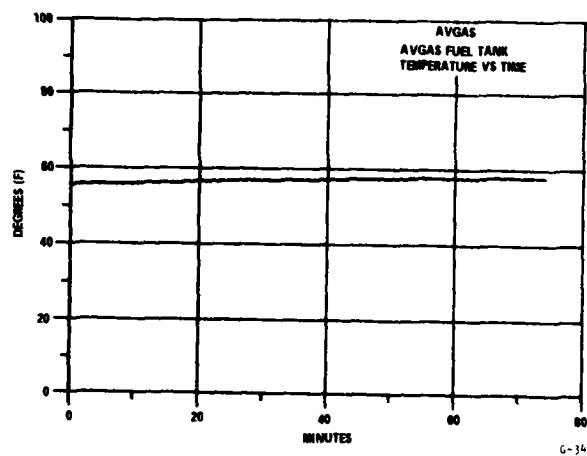
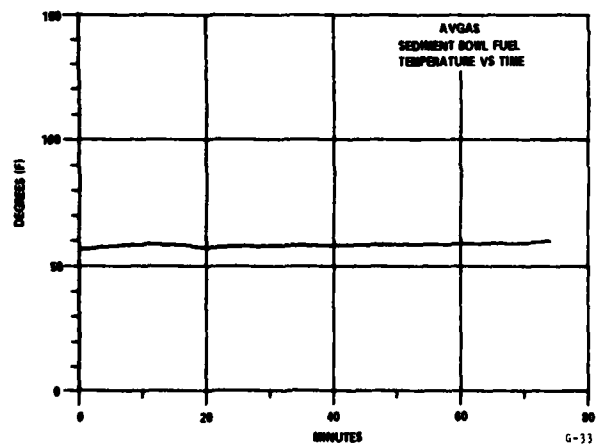
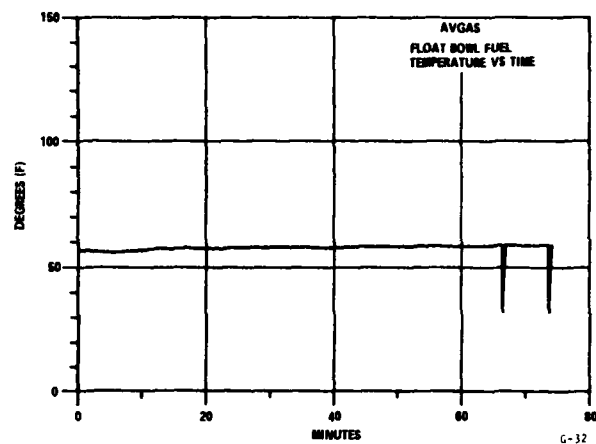
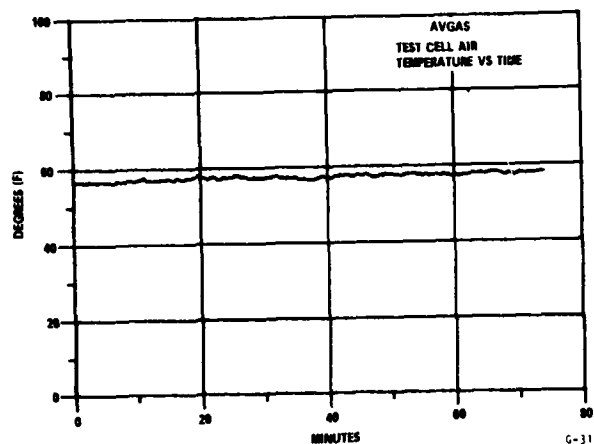


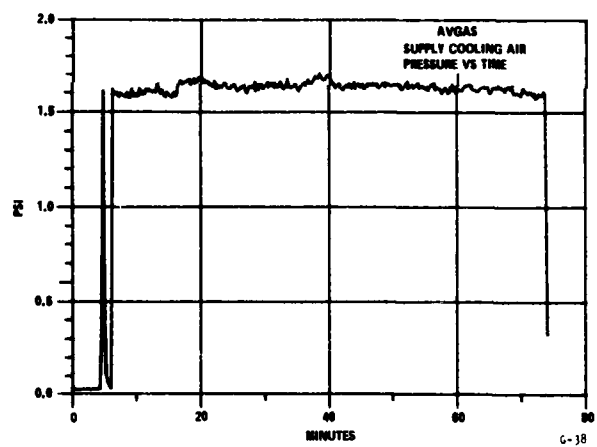
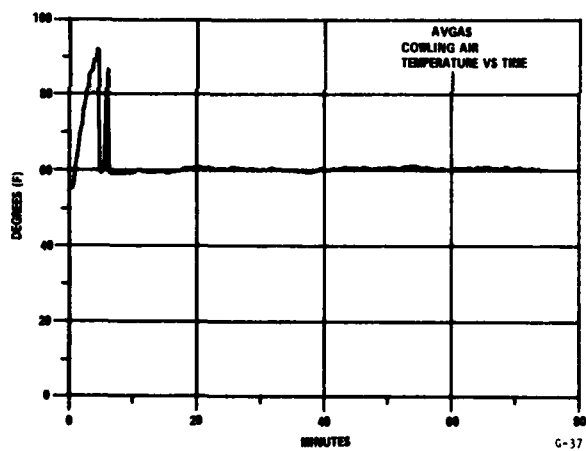
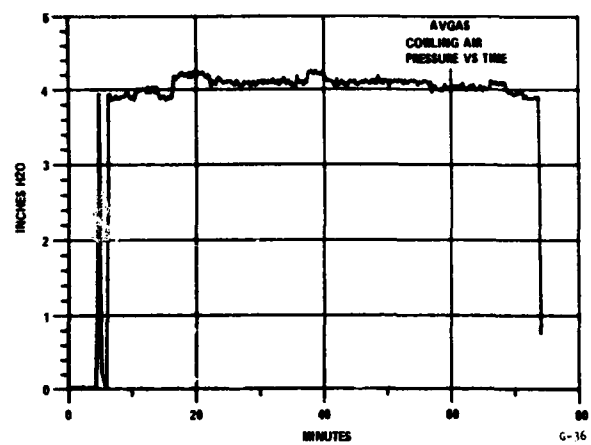
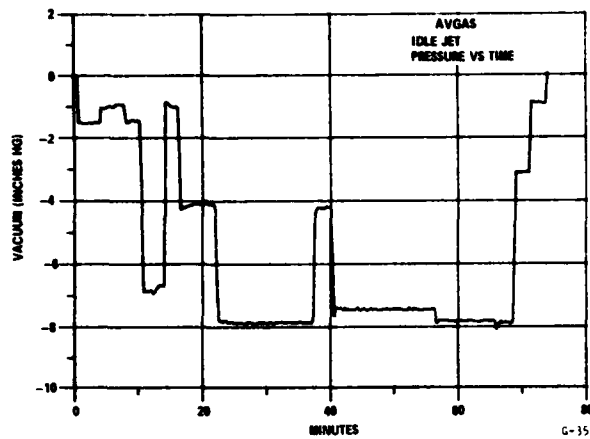


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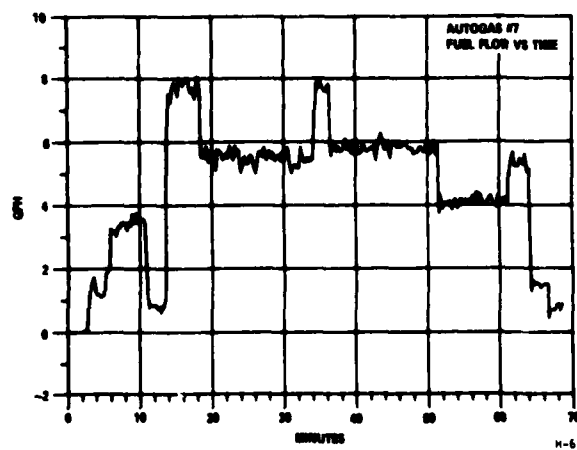
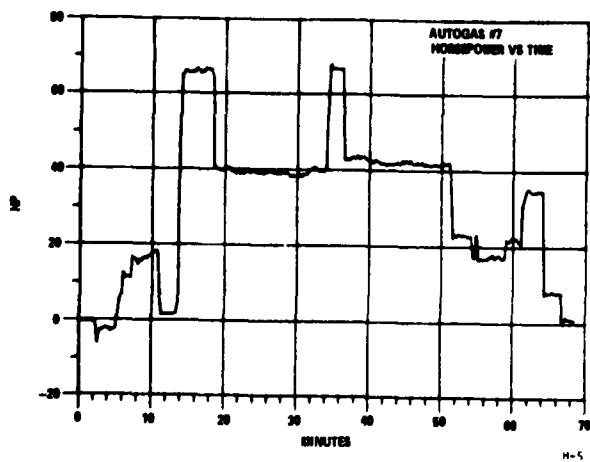
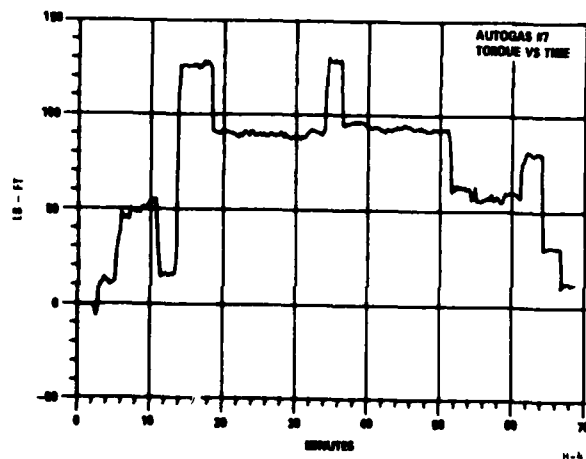
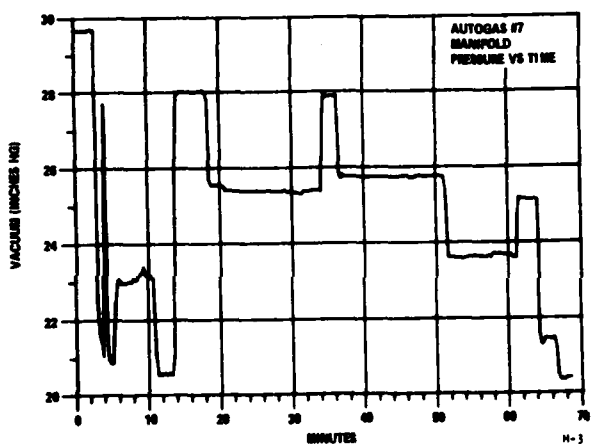
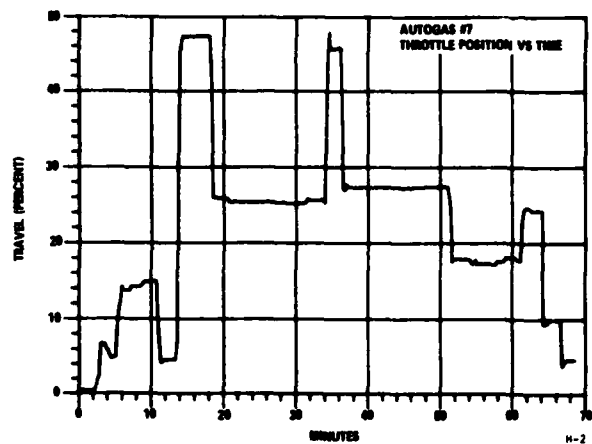
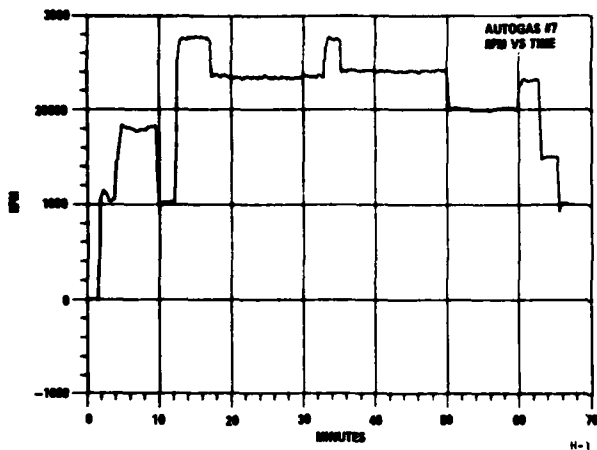


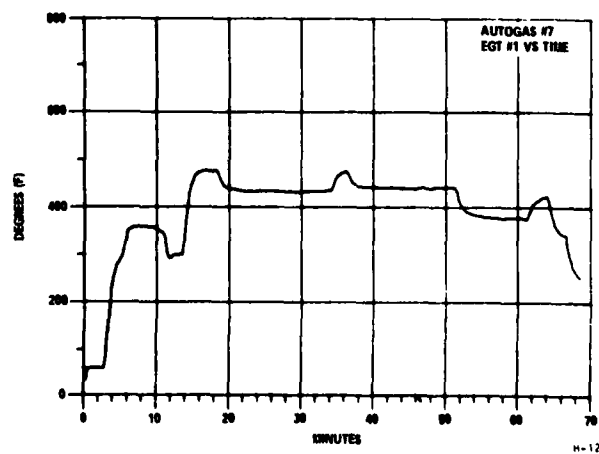
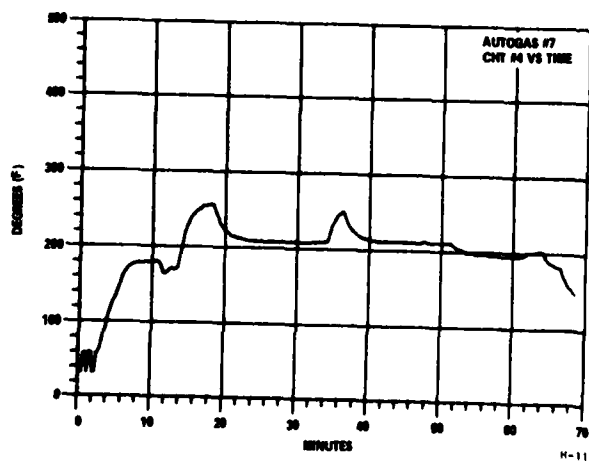
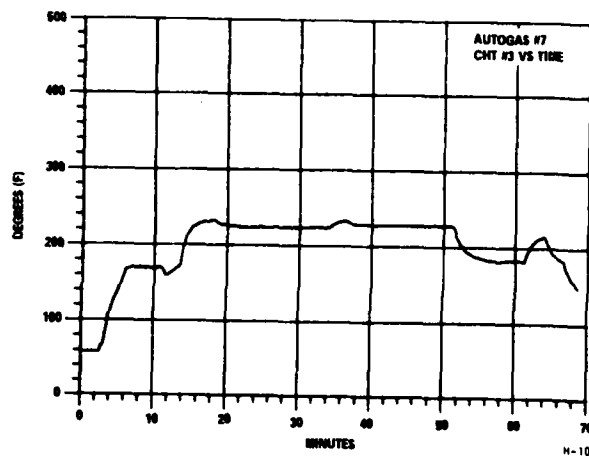
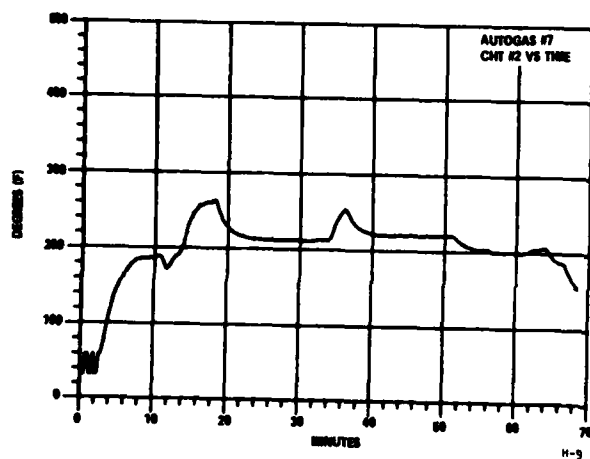
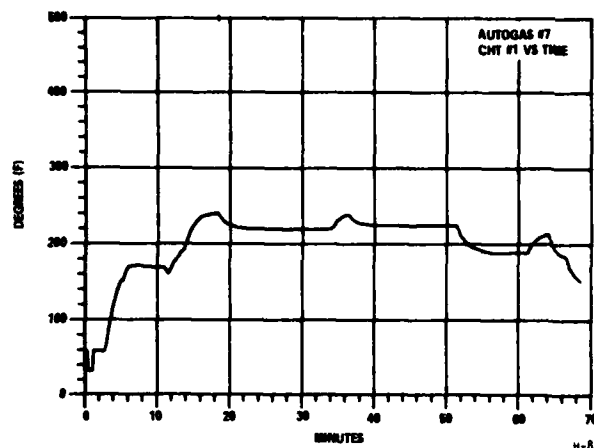
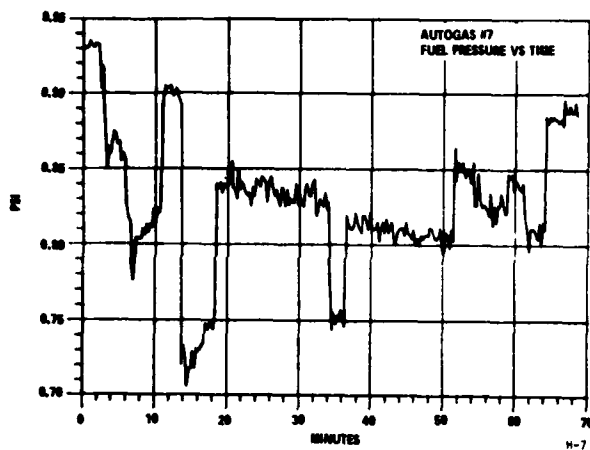


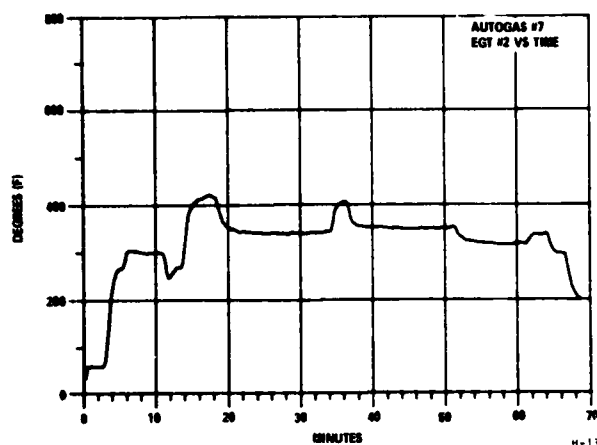


APPENDIX H

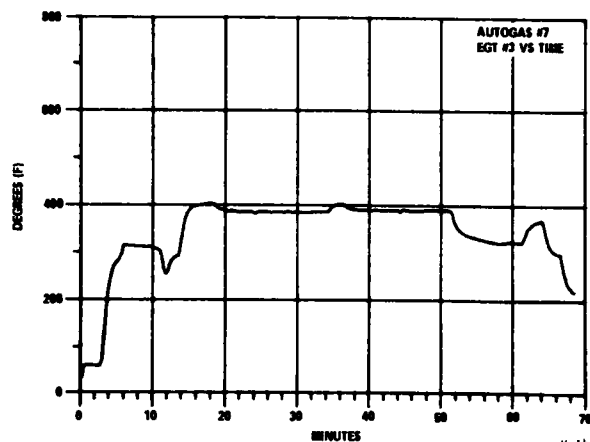
**ENGINE PERFORMANCE BASELINE DATA UNLEADED PREMIUM AUTOGAS
(BASELINE TEST SEQUENCE #1)**



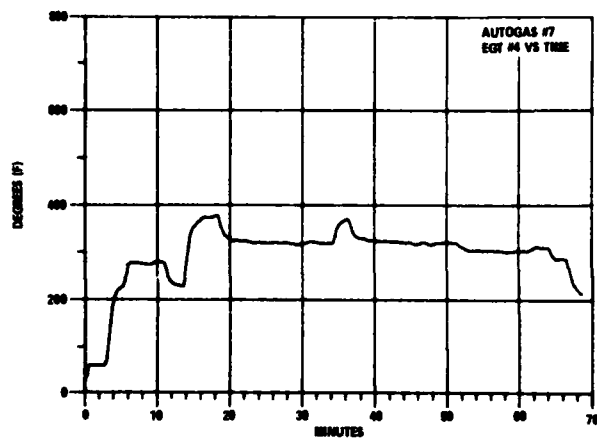




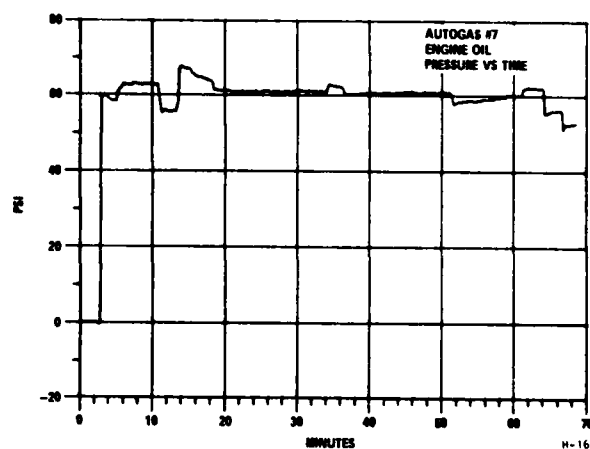
H-13



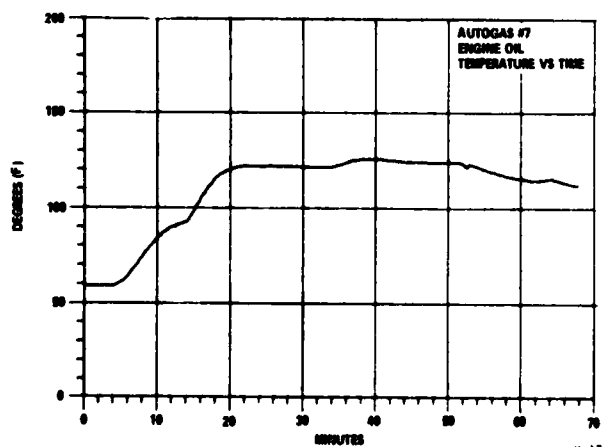
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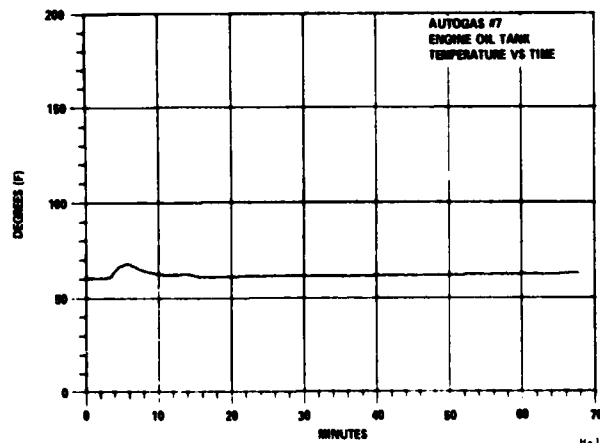
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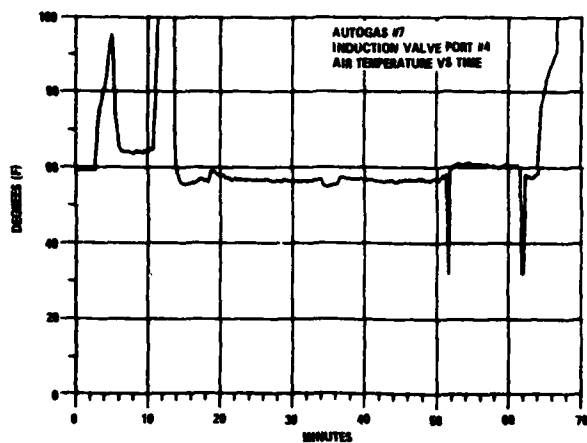
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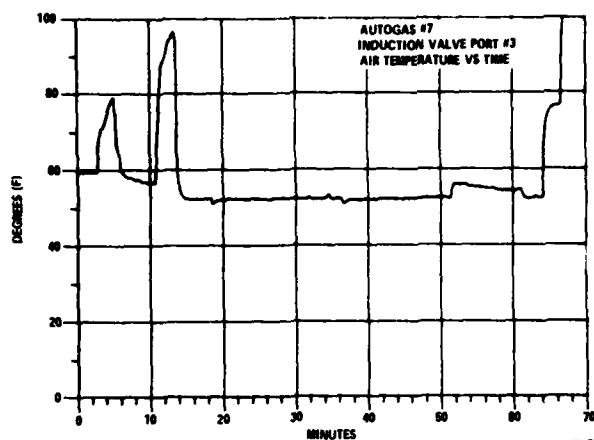
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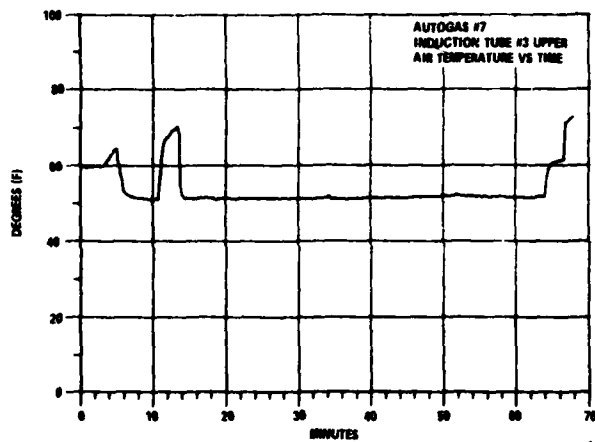
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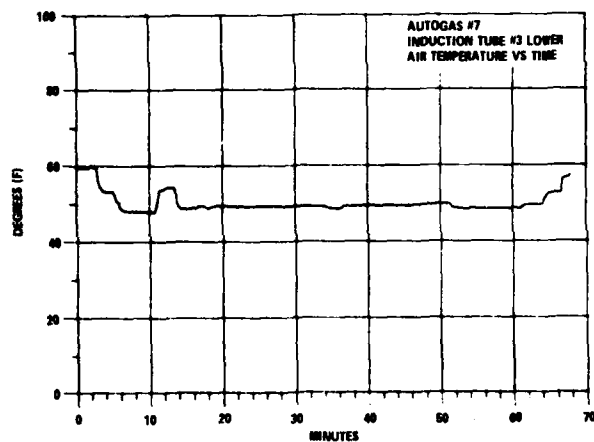
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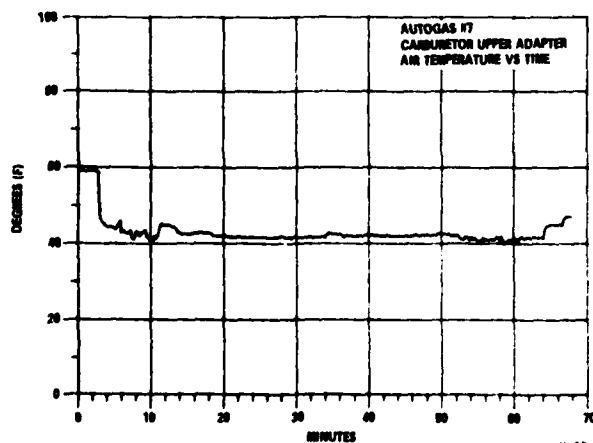
H-20



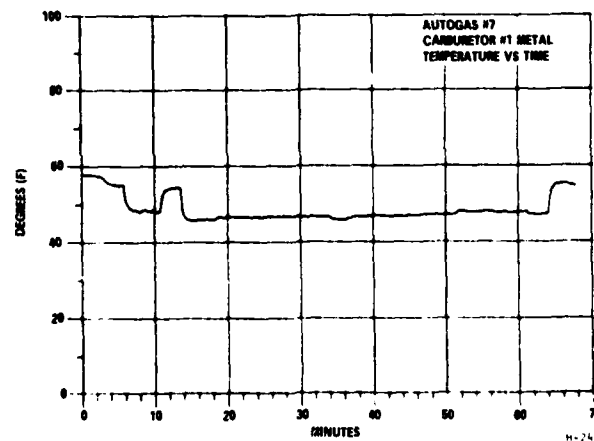
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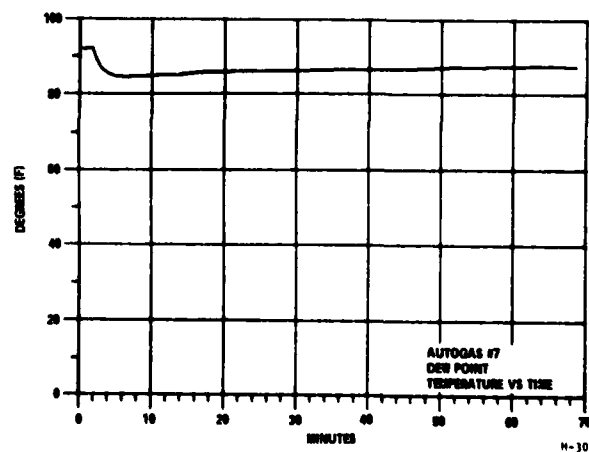
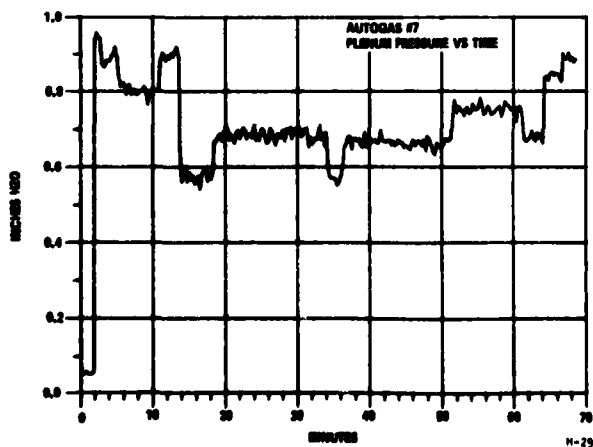
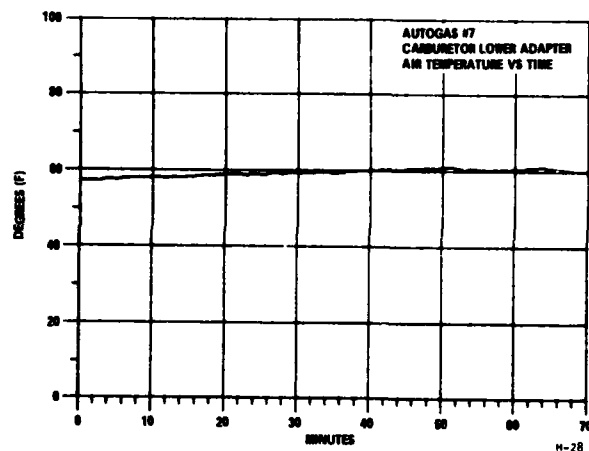
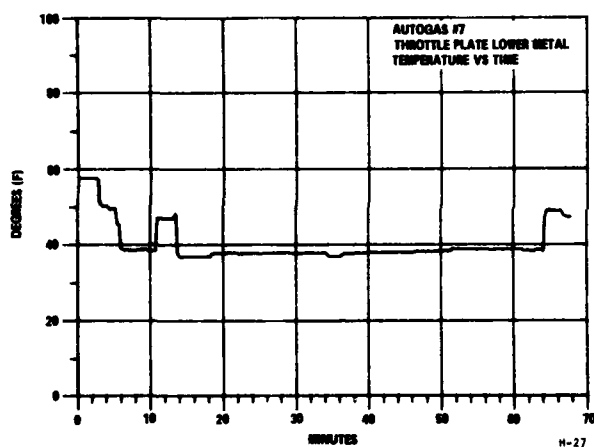
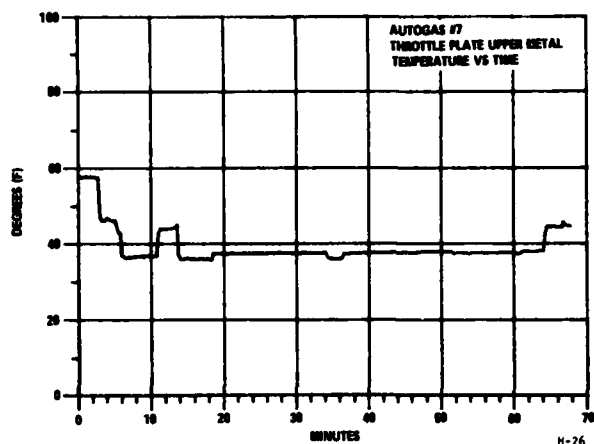
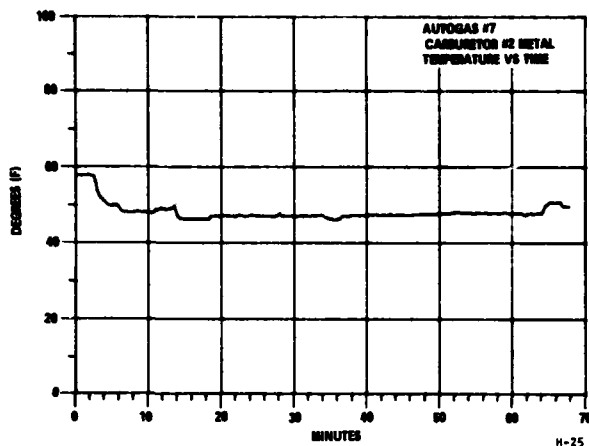
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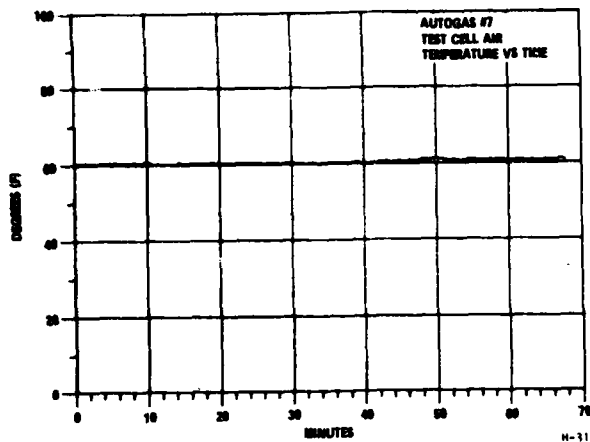


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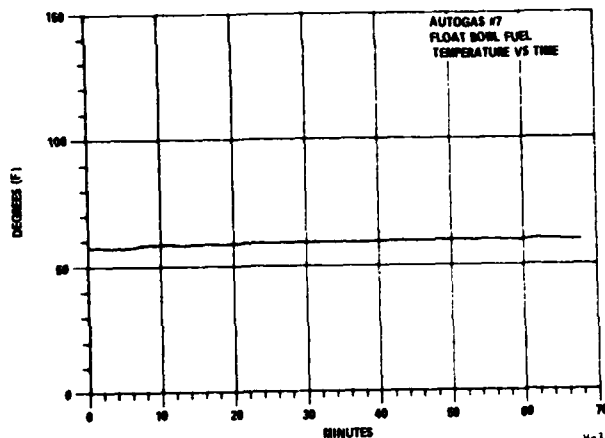


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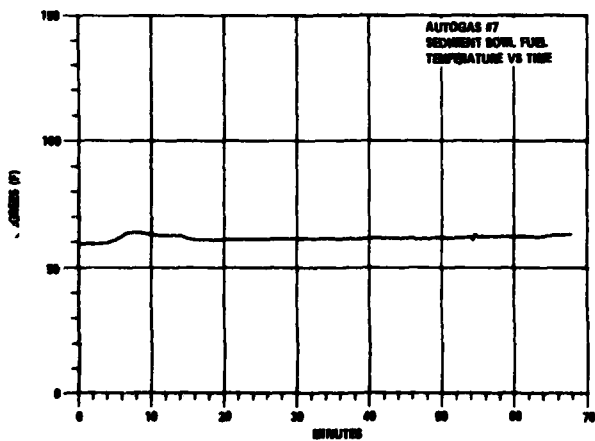




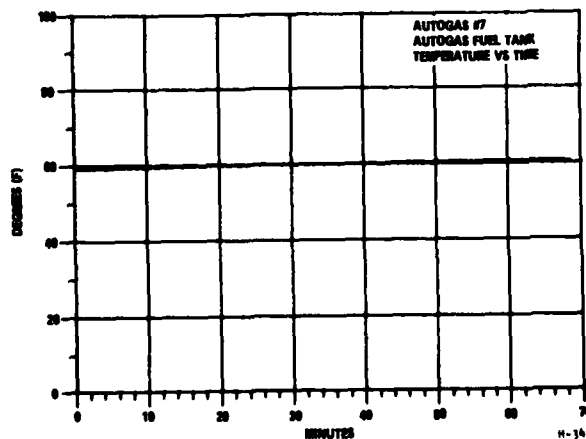
H-31



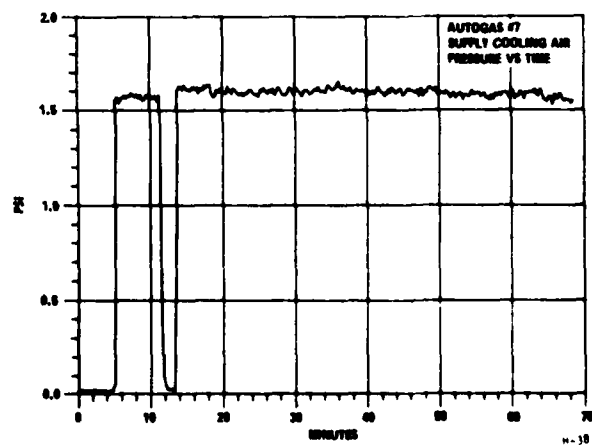
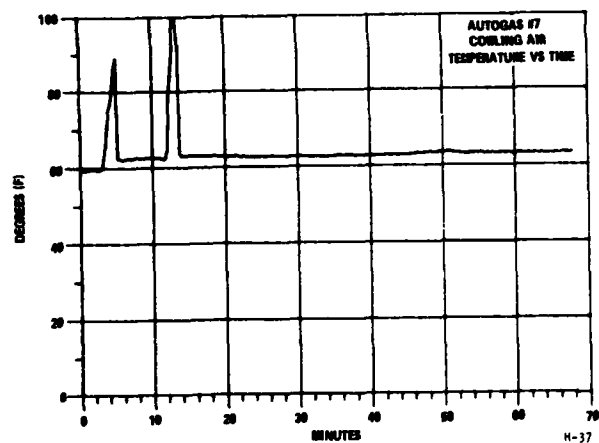
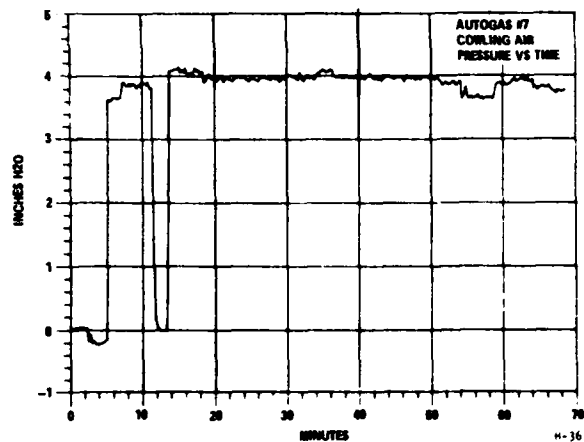
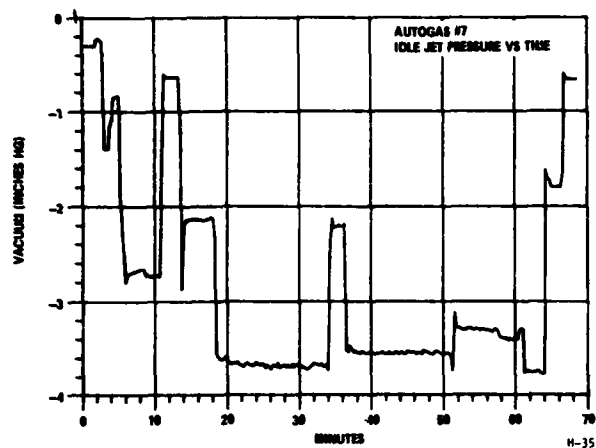
H-32



H-33



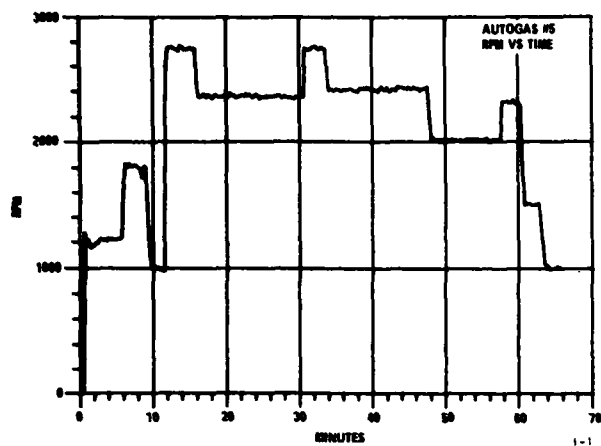
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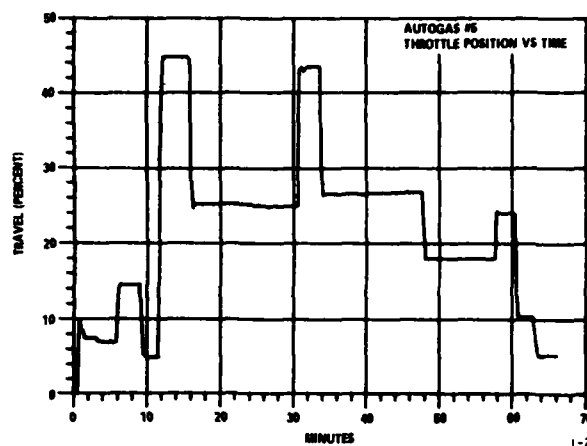
APPENDIX I

ENGINE PERFORMANCE BASELINE DATA UNLEADED REGULAR AUTOGAS

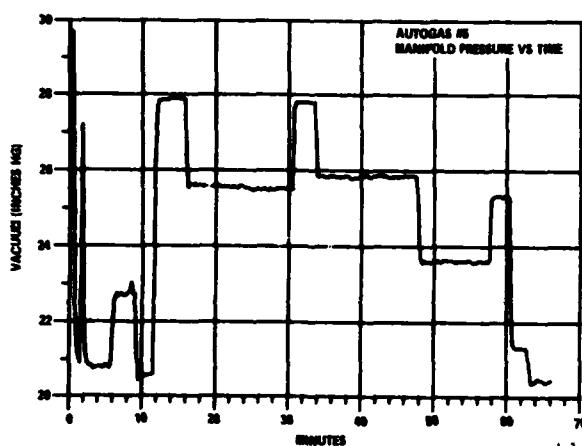
(BASELINE TEST SEQUENCE #1)



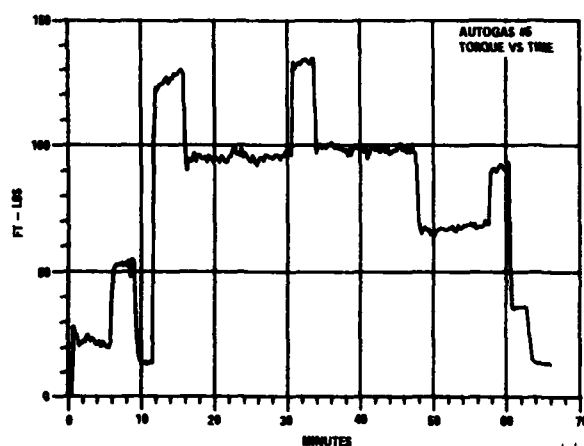
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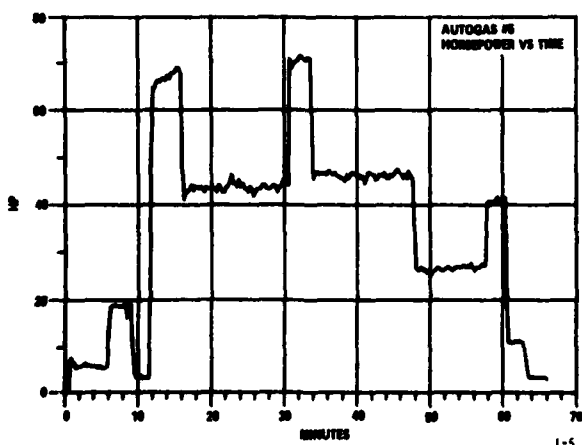
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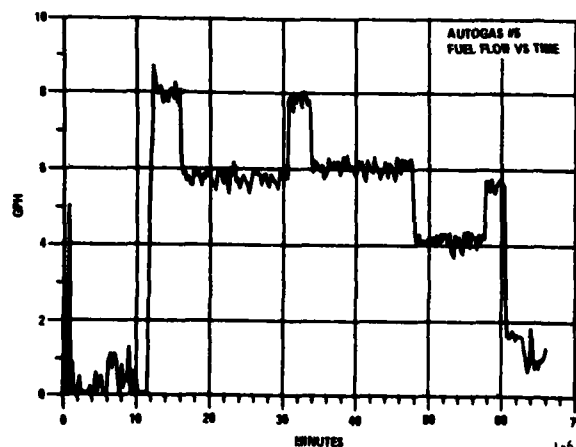
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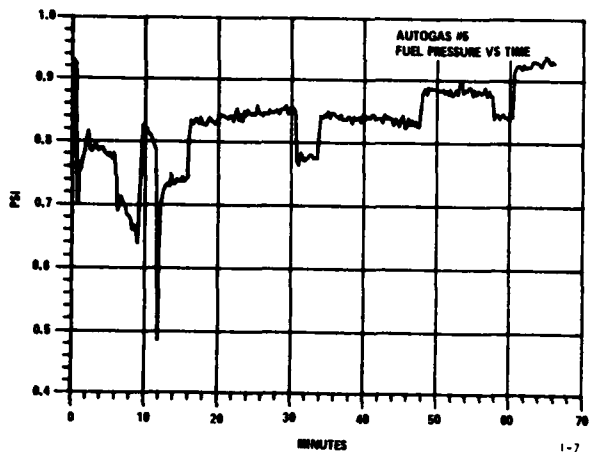
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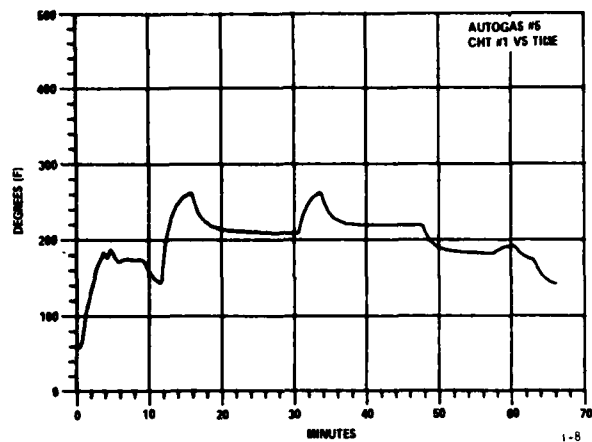
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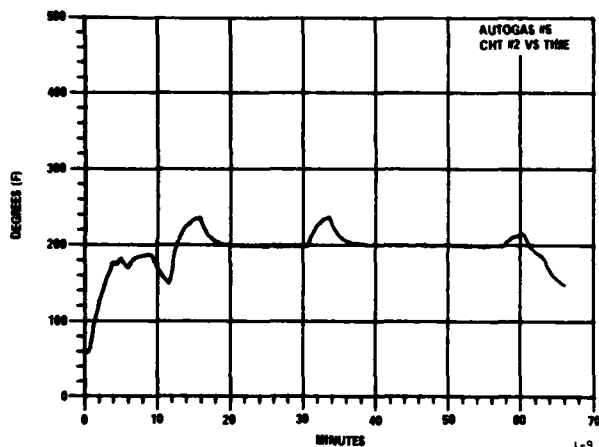
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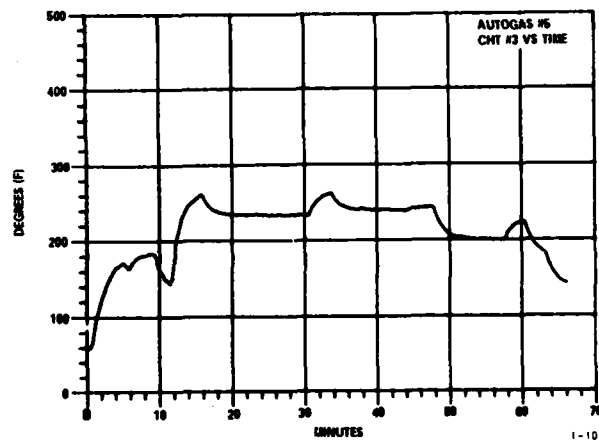
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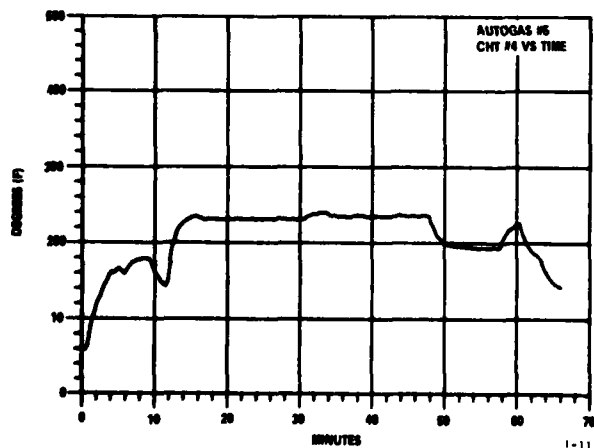
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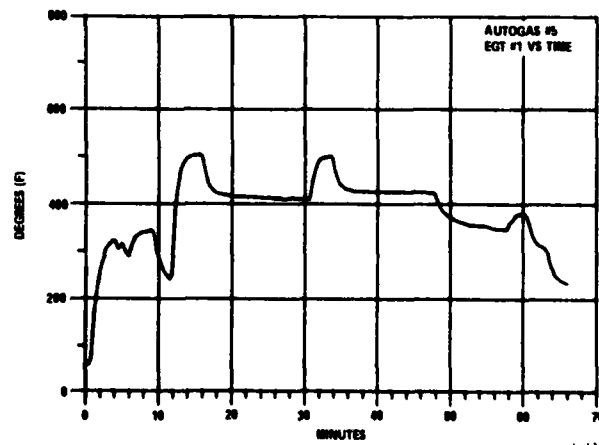
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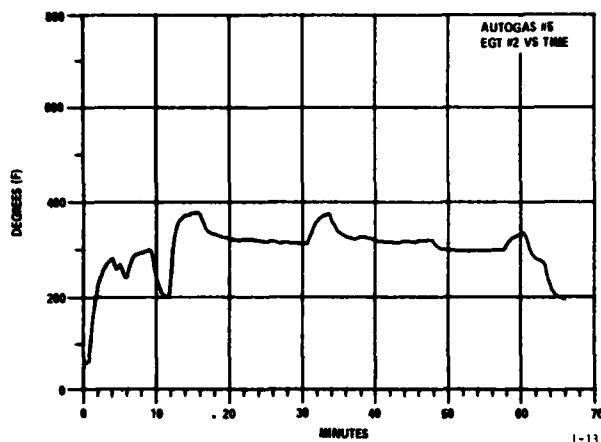
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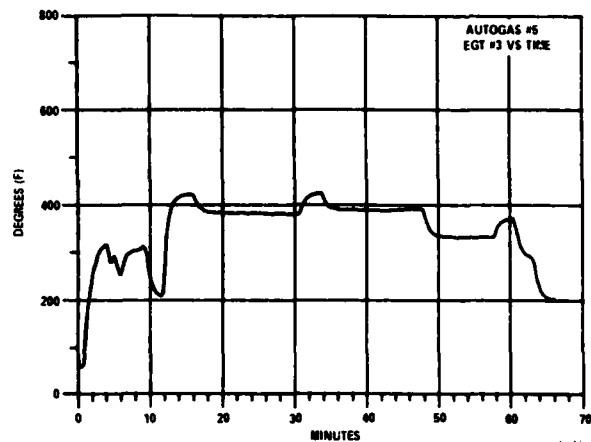
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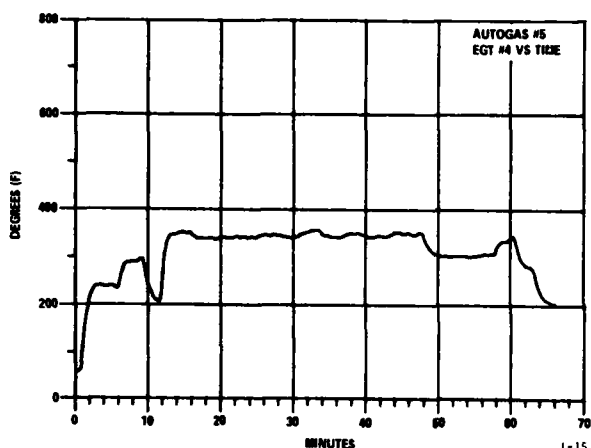
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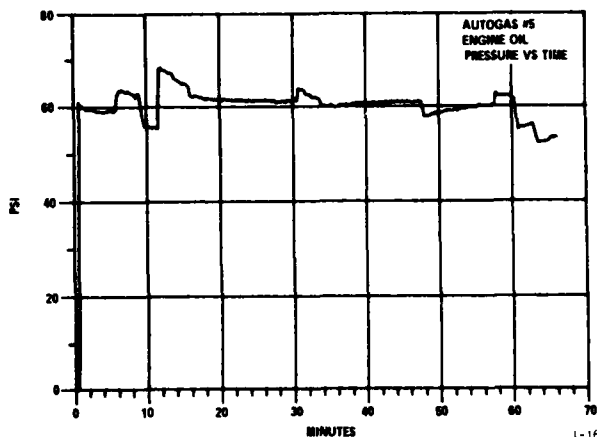
I-13



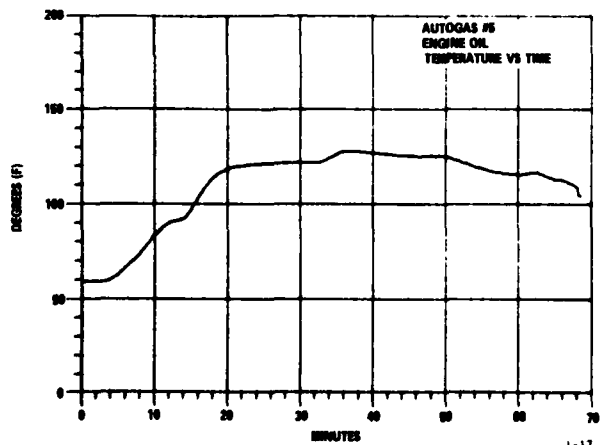
I-14



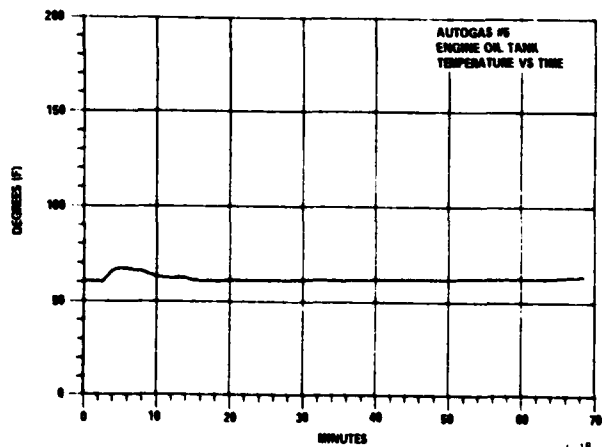
I-15



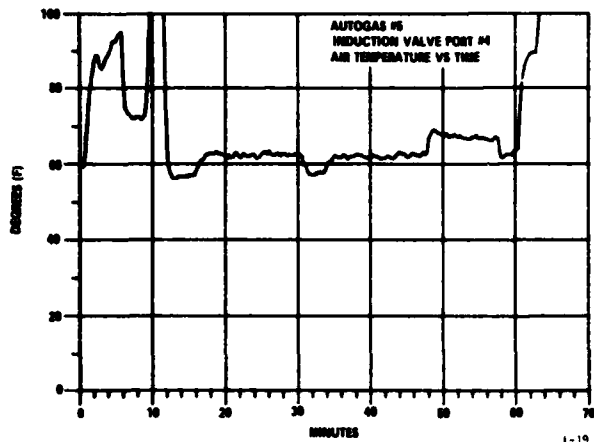
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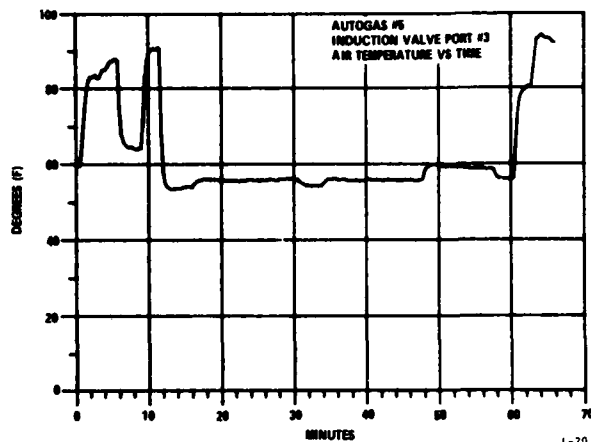
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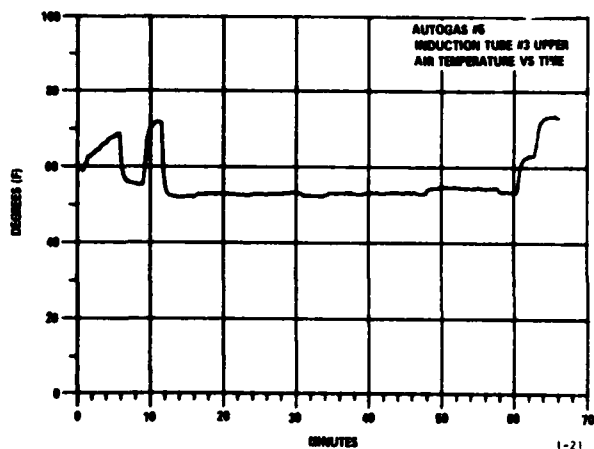
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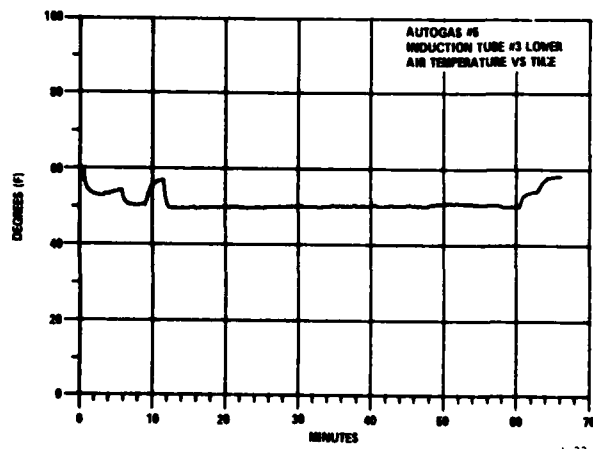
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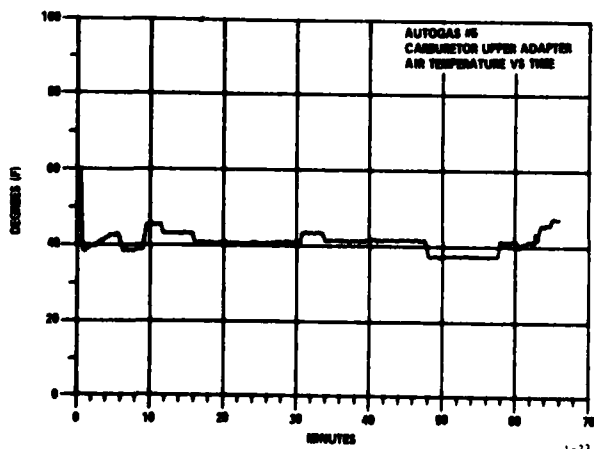
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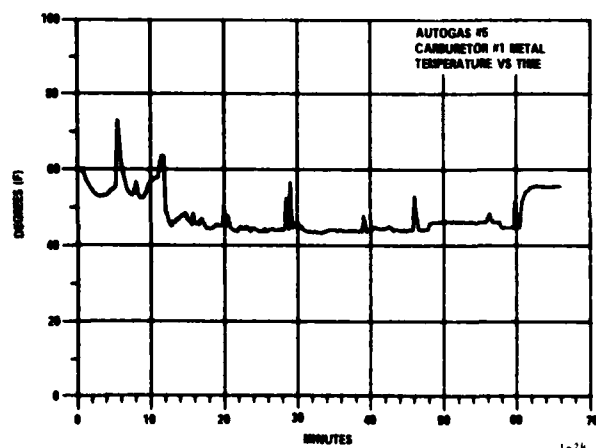
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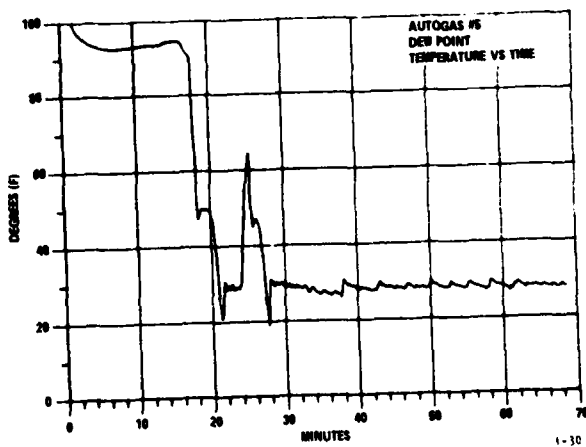
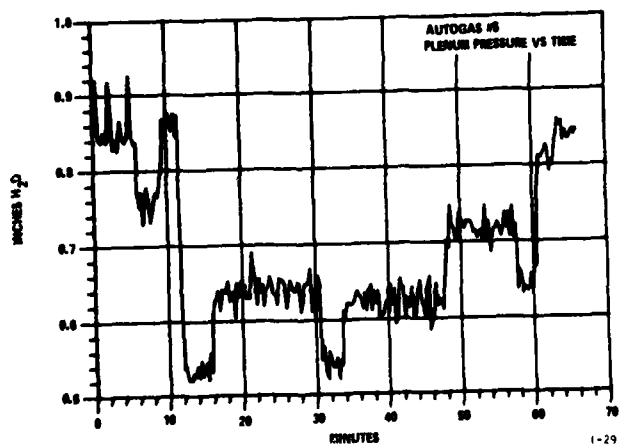
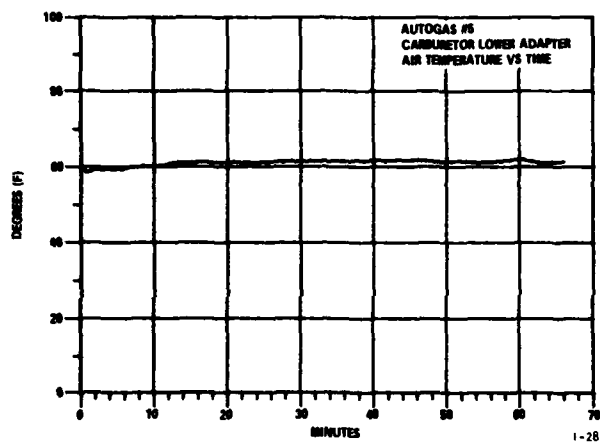
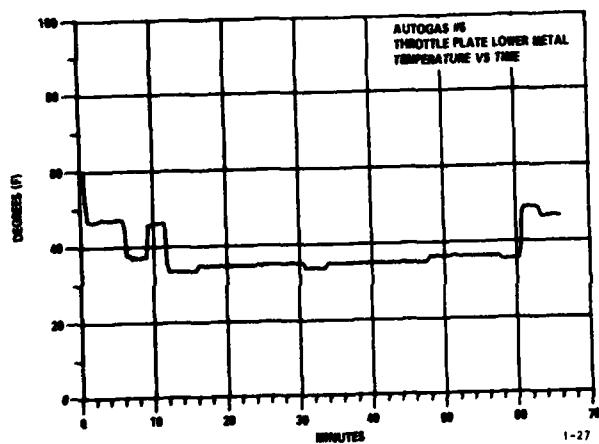
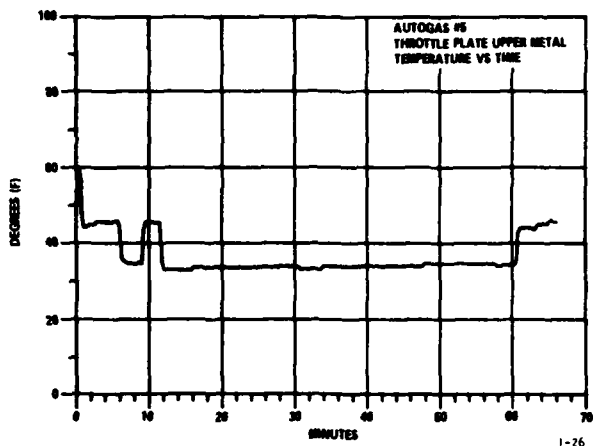
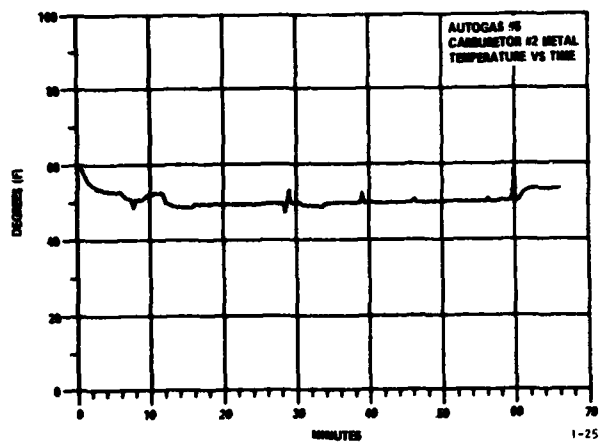
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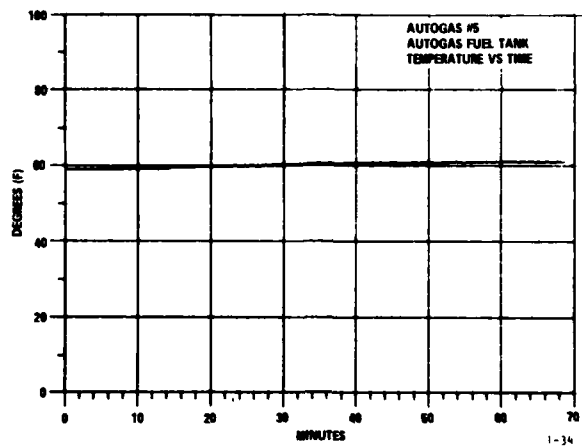
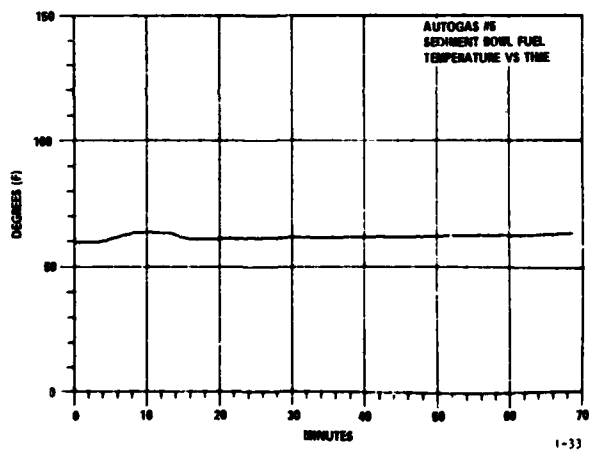
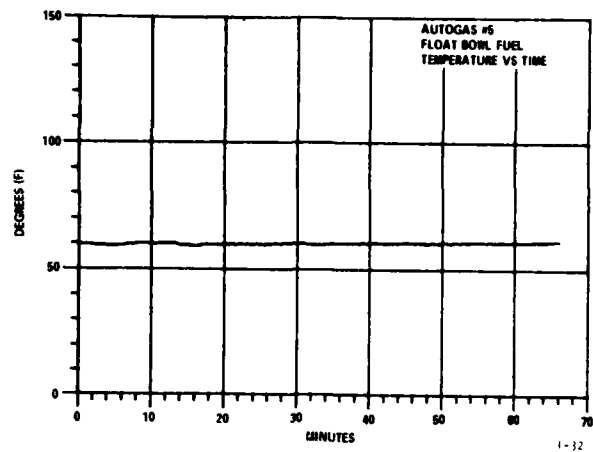
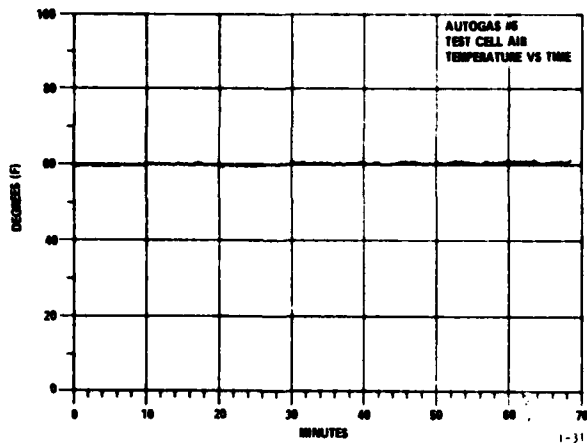


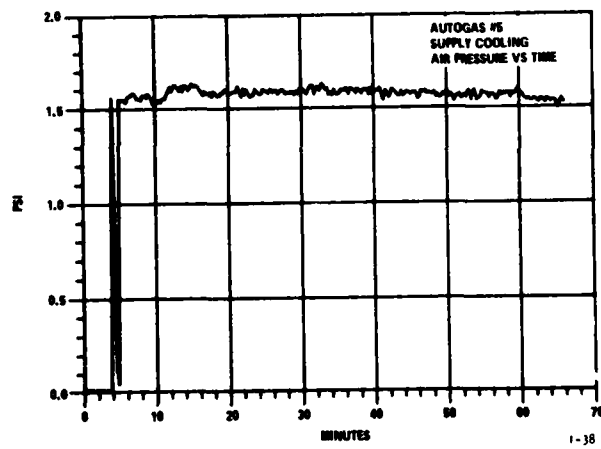
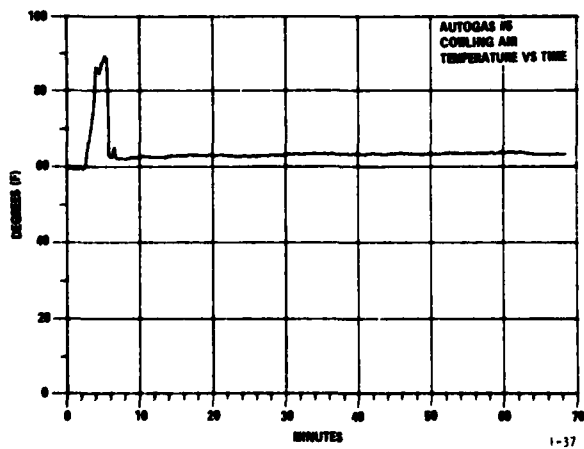
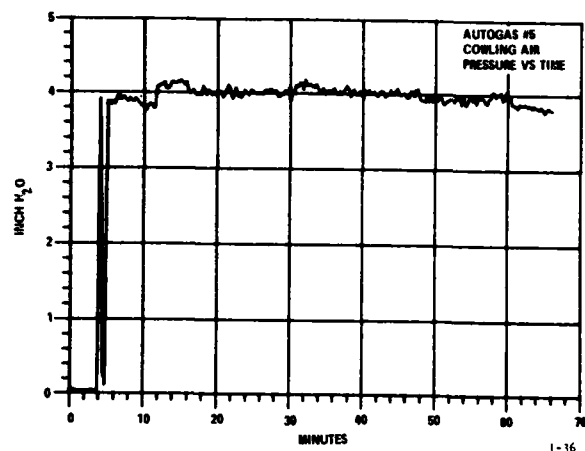
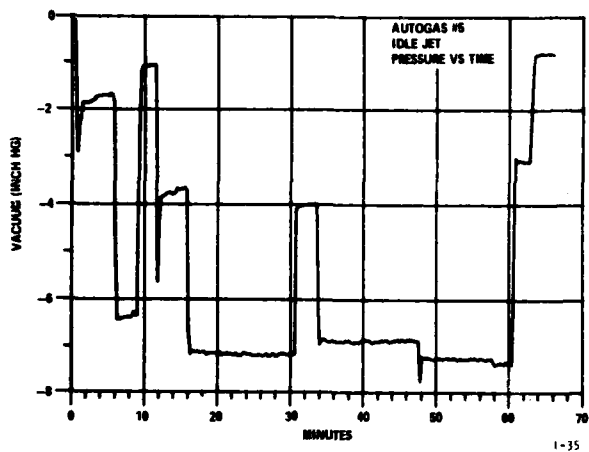
1-23



1-24

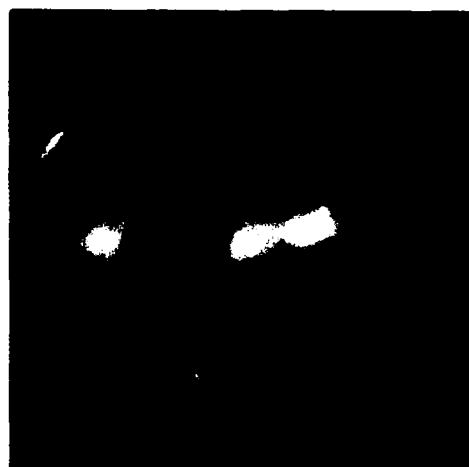






APPENDIX J

REAL-TIME CARBURETOR ICE PHOTOGRAPHS



0 RPM

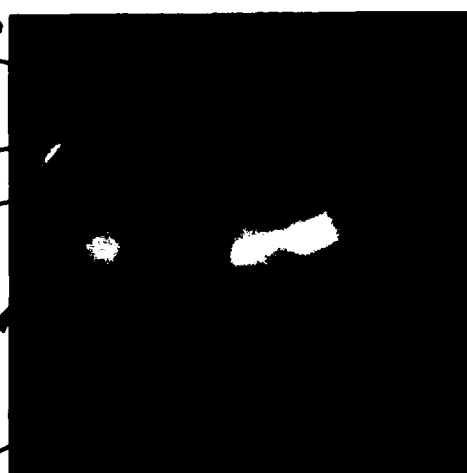
Throttle Plate
Shaft

Ice
Detector

Throttle
Plate

Ice
Detector

Venturi



0 RPM

Acceleration
Pump
Discharge

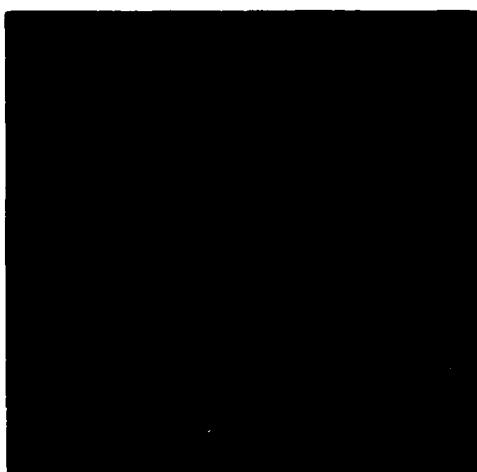
Main Fuel
Discharge



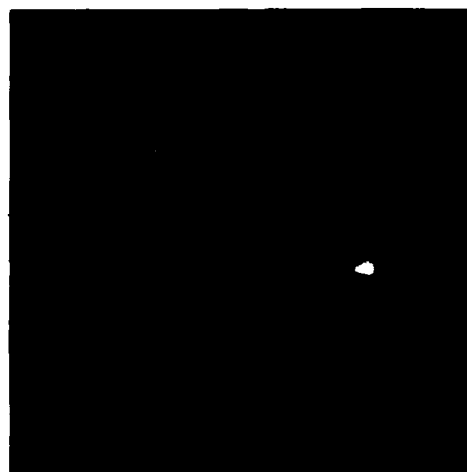
1600 (1430) AVGAS



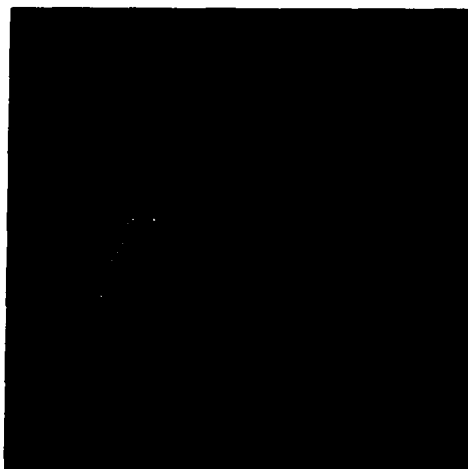
1600 (1360) AUTOGAS



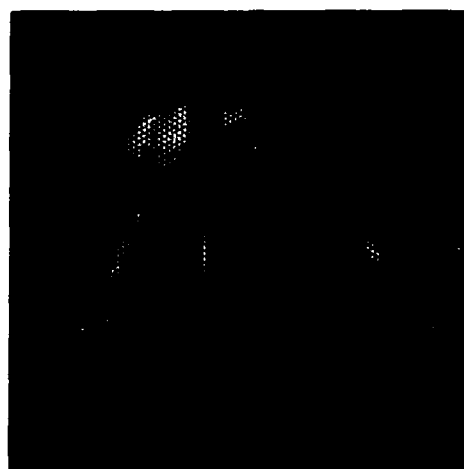
1800 (1675) AVGAS



1800 (1700) AUTOGAS



2000 (1885) AVGAS



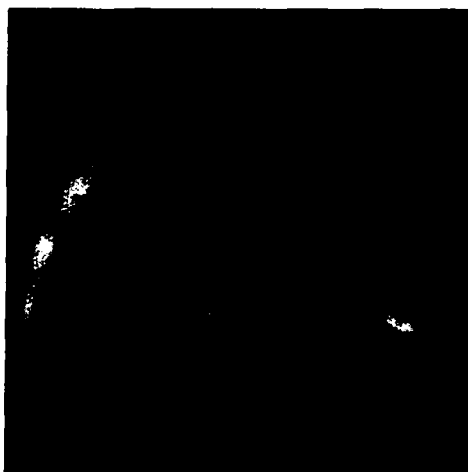
2000 (1900) AUTOGAS



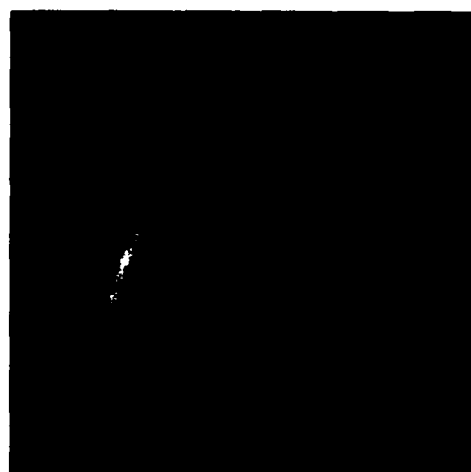
2000 (1890) AUTOGAS



2000 (1800) AUTOGAS



2350 (2295) AUTOGAS



2350 (2258) AUTOGAS

